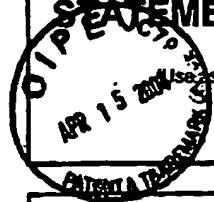


# INFORMATION DISCLOSURE STATEMENT BY APPLICANT



Use as many sheets as necessary)

Page 1 of 2

Application Number	10/727220
Filing Date	December 2, 2003
First Named Inventor	Schultz, John C.
Art Unit	2875
Examiner Name	
Attorney Case Number	59333US002

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
al	A1	US- 5,227,008	07/13/1993	Klun et al.	11
	A2	US- 5,299,222	03/29/1994	Shannon et al.	11
	A3	US- 5,574,817	11/12/1996	Henson et al.	11
	A4	US- 5,611,017	03/11/1997	Lee et al.	11
	A5	US- 5,808,794	09/15/1998	Weber et al.	11
	A6	US- 5,882,774	03/16/1999	Jonza et al.	11
	A7	US- 5,967,653	10/19/1999	Miller et al.	11
	A8	US- 6,224,216 B1	05/01/2001	Parker et al.	11
	A9	US- 2001/0001207	05/17/2001	Shimizu et al.	11
	A10	US- 2001/0010449	08/02/2001	Chiu et al.	11
	A11	US- 2002/0024055 A1	02/28/2002	Uemura et al.	11
	A12	US- 2002/0113244	08/22/2002	Barnett et al.	11
	A13	US- 2002/0176251 A1	11/28/2002	Plank et al.	11
	A14	US- 2003/0001488	01/02/2003	Robert C. Sundahl	11
	A15	US- 2003/0052594	03/20/2003	Matsui et al.	11
	A16	US- 2003/0057421	03/27/2003	Tzer-Perng Chen	11
	A17	US- 6,560,038 B1	05/06/2003	Parkyn, Jr. et al.	11
	A18	US- 6,603,258 B1	08/05/2003	Mueller-Mach et al.	11
	A19	US- 2003/0142500 A1	07/31/2003	Bachl et al.	11
	A20	US- 2003/0178627	09/25/2003	Marchl et al.	11
al	A21	US- 6,692,250	02/17/04	Decaudin et al.	11

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-(Kind Code if known)				
al	B1	DE	201 11 814 U1	12/20/2001			Abstract
al	B2	EP	1 260 196 A2	11/27/2002			Abstract
al	B3	JP	07240536 A	09/12/1995			Abstract

\*Examiner:

Date Considered:

05/06/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)

BEST AVAILABLE COPY

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 1 of 1



Application Number	10/727220
Filing Date	December 2, 2003
First Named Inventor	Schultz, John C.
Art Unit	2875
Examiner Name	Unknown
Attorney Case Number	59333US002

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number (Kind Code if Known)			
AL	A1	US- 5,140,248	09-08-1992	Duwaer	—
AL	A2	US- 2004/008952	01/15/04	Kragl	—
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number/Kind Code (if known)				
AL	B1	EP	1 241 510	9/18/02	—	—	—
AL	B2	WO	WO 2002/054129 A1 English Abstract	07/11/02	—	—	X
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

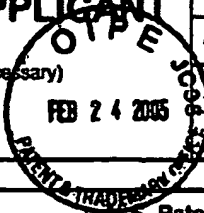
*Examiner: <u>Andy Murphy</u>	Date Considered: <u>05/06/05</u>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Information Disclosure Statement)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 1



Application Number	10/727220
Filing Date	December 2, 2003
First Named Inventor	Schultz, John C.
Art Unit	2875
Examiner Name	Unknown
Attorney Case Number	59333US002

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
AL		US- 5,420,768	05-30-1995	Kennedy	—
AL		US- 5,634,711	06-03-1997	Kennedy et al.	—
AL		US- 2004/0164325 A1	08-26-2004	Siegel	—
AL	A1	US- 2004/0166249 A1	08-26-2004	Siegel	—
	A2	US-			
	A3	US-			
	A4	US-			

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
AL	B1	WO	WO 03/096387 A2	11-20-2003	—	—	—
AL	B1	WO	WO 2004/081475 A2	09-23-2004	—	—	—
	B2						
	B3						
	B4						
	B5						
	B6						

OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

*Examiner: <u>Ande Myers</u>	Date Considered: <u>05/08/05</u>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Information Disclosure Statement)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Use as many sheets as necessary)

Page 1 of 1

Application Number	10/727220
Filing Date	December 2, 2003
First Named Inventor	Schultz, John C.
Art Unit	2875
Examiner Name	Unknown
Attorney Case Number	59333US002

**U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
AL	US-	US- US6290382	9/18/01	Bourm et al.	—
AL	US-	US- US6236382	5/22/01	Kawakami et al.	—
AL	US-	US- US6395564	5/28/02	Huang	—
	A1	US-			
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

**Foreign Patent Documents**

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
AL	B1	EP	0303741	2/22/89	—	—	—
AL	B2	EP	1108949	6/20/01	—	—	—
	B3						
	B4						
	B5						
	B6						
	B7						

**OTHER DOCUMENTS**

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

\*Examiner:

*Andr. Meyer*

Date Considered:

05/06/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 1

AUG 16 2004

Application Number

10/727220

Filing Date

December 2, 2003

First Named Inventor

Schultz, John C.

Art Unit

2875

Examiner Name

Unknown

Attorney Case Number

59333US002

**U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)				
AL	US-	US-	US6290382	9/18/01	Bourn et al.	—
AL	US-	US-	US6236382	5/22/01	Kawakami et al.	—
AL	US-	US-	US6395564	5/28/02	Huang	—
	A1	US-				
	A2	US-				
	A3	US-				
	A4	US-				
	A5	US-				
	A6	US-				
	A7	US-				
	A8	US-				

**Foreign Patent Documents**

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (if known)				
AL	B1	EP	0303741	2/22/89	—	—	—
AL	B2	EP	1108949	6/20/01	—	—	—
	B3						
	B4						
	B5						
	B6						
	B7						

**OTHER DOCUMENTS**

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

\*Examiner:

*Andr. H. H. H.*

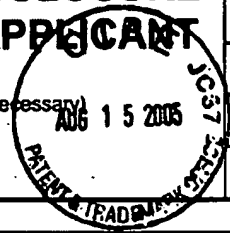
Date Considered:

05/06/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)

Substitute for form 1449A/PTO (modified)		Application Number	10/727220
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary) Page 1 of 1		Filing Date	December 2, 2003
		First Named Inventor	Schultz, John C.
		Art Unit	2875
		Examiner Name	Unknown
		Attorney Case Number	59333US002



U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US-			
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

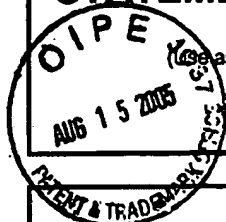
Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
	B1						
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
ah	C1	Žukauskas et al, <u>Introduction to Solid-State Lighting</u> , John Wiley & Sons, Inc., New York, 2002, pp. 166-167.	
	C2		
	C3		

*Examiner: <u>Andy Murphy</u>	Date Considered: <u>09/07/05</u>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Information Disclosure Statement)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT



(Use as many sheets as necessary)

Page 1 of 1

Application Number

10/727220

Filing Date

December 2, 2003

First Named Inventor

Schultz, John C.

Art Unit

2875

Examiner Name

Unknown

Attorney Case Number

59333US002

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
ah	A1	US- 6,556,734	4/29/2003	Bischel et al.	—
ah	A2	US- 6,692,250	2/17/04	Decaudin et al.	—
ah	A3	US- 5,301,090	4/05/1994	Hed	—
ah	A4	US- 6/075,595	6/13/2000	Malinen	—
ah	A5	US- 2003/0117691	6/26/03	Bi et al.	—
ah	A6	US- 2003/0235800	12/25/03	Qadar	—
ah	A7	US- 2004/0106968	6/03/04	Yamada	—

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
	B1						
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

## OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

\*Examiner:

Andy Nguyen

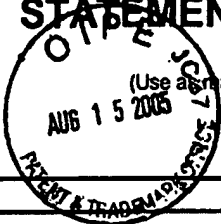
Date Considered:

09/07/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT



(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/727220
Filing Date	December 2, 2003
First Named Inventor	Schultz, John C.
Art Unit	2875
Examiner Name	Unknown
Attorney Case Number	59333US002

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
AL	A1	US- 5,567,032	10/22/1996	Heizmann	—
AL	A2	US- 5,713,654	02/03/1998	Scifres	—
AL	A3	US- 6,045,240	04/04/2000	Hochstein	—
AL	A4	US- 6,402,347	6/11/02	Maas et al.	—
AL	A5	US- 6,414,801 B1	07/02/2002	Roller	—
AL	A6	US- 6,821,143 B2 (Equiv. of FR2840151)	11/23/2004	Gasquet et al.	—
AL	A7	US- 2004/0008952	1/15/04	Kragl	—
	A8	US-			

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
AL	B1	DE	199 23 187 A1	11/23/2000	—	—	—
AL	B2	DE	201 20 770 U1	05/02/2002	—	—	Abstract only
AL	B3	DE	101 10 835 A1	09/19/2002	—	—	Abstract only
AL	B4	DE	101 34 381 A1	01/23/2003	—	—	Abstract only
AL	B5	DE	101 62 404 A1	07/03/2003	—	—	Abstract only
AL	B6	EP	1 067 332 A2	01/10/2001	—	—	Abstract only
AL	B7	WO	01/59360 A1 (Equiv. of DE10005795)	08/16/2001	—	—	Abstract only
AL	B8	WO	02/054129	07/11/02	—	—	—
AL	B9	WO	02/086972 A1	10/31/2002	—	—	—
AL	B10						

## OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

\*Examiner:

Andy Myers

Date Considered:

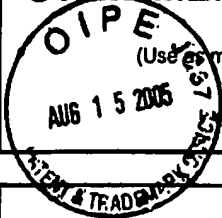
09/07/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)



# INFORMATION DISCLOSURE STATEMENT BY APPLICANT



(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/727220
Filing Date	December 2, 2003
First Named Inventor	Schultz, John C.
Art Unit	2875
Examiner Name	Unknown
Attorney Case Number	59333US002

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)				
al	A1	US-	3,825,335	07/1974	Reynolds, Robert	—
al	A2	US-	5,301,090	4/1994	Hed, Aharon Z.	—
al	A3	US-	6,402,347	06/2002	Maas et al.	—
al	A4	US-	6,527,411	03/2003	Sayers, Edwin Mitchell	—
	A5	US-				
	A6	US-				
	A7	US-				
	A8	US-				

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
	B1						
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

## OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

\*Examiner:

Andi Meyer

Date Considered:

09/07/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☒ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**